

## **I. BACKGROUND OF THE INVENTION**

The present invention concerns that of a new and improved vacuum cleaner which would be powered solely battery means and/or self-generated power means.

## **II. DESCRIPTION OF THE PRIOR ART**

United States Patent No. D388,720, issued to Montgomery, discloses an ornamental design for a combined transmitter and receiver for locating lost individuals.

United States Patent No. 5,652,570, issued to Lepkofker, discloses an interactive individual location and monitoring system which includes a central monitoring system for maintain health, location, and other data with respect to an individual.

United States Patent No. 5,014,040, issued to Weaver et al., discloses a personal locator transmitter adapted to be worn on the wrist and having the size and appearance of a conventional wrist-watch.

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### **III. SUMMARY OF THE INVENTION**

The present invention concerns that of a new and improved vacuum cleaner which would be powered solely by battery means and/or self-generated power means. The vacuum cleaner would preferably be a standard push-type vacuum cleaner and would include a rechargeable battery which would be externally mounted. The vacuum cleaner would also have a top-mounted light which would face forward and assist a user in vacuuming. The light would be powered by a generator that would produce power when the wheels of the vacuum cleaner are turned.

There has thus been outlined, rather broadly, the more important features of an vacuum cleaner that the detailed description thereof that follows may be better understood and in order that the present contribution to the art may be better appreciated. There are, of course, additional features of the vacuum cleaner that will be described hereinafter and which will form the subject matter of the claims appended hereto.

In this respect, before explaining at least one embodiment of the vacuum cleaner in detail, it is to be understood that the vacuum cleaner is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The vacuum cleaner is capable of other embodiments and being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of descriptions and should not be regarded as limiting.

As such, those skilled in the art will appreciate that the conception, upon which this disclosure is based, may readily be utilized as a basis for the designing of other structures, methods and systems for carrying out the several purposes of the present

vacuum cleaner. It is important, therefore, that the claims be regarded as including such equivalent constructions insofar as they do not depart from the spirit and scope of the present invention.

It is therefore an object of the present invention to provide a vacuum cleaner which has all of the advantages of the prior art and none of the disadvantages.

It is another object of the present invention to provide a vacuum cleaner which may be easily and efficiently manufactured and marketed.

It is another object of the present invention to provide a vacuum cleaner which is of durable and reliable construction.

It is yet another object of the present invention to provide a vacuum cleaner which is economically affordable and available for relevant purchasing government entities.

Other objects, features and advantages of the present invention will become more readily apparent from the following detailed description of the preferred embodiment when considered with the attached drawings and appended claims.

#### **IV. BRIEF DESCRIPTION OF THE DRAWINGS**

Figure 1 shows a front view of the present invention.

Figure 2 shows a side view of the present invention.

Figure 3 shows a schematic view of some of the electronics of the present invention.

## V. DESCRIPTION OF THE PREFERRED EMBODIMENT

Figures 1 and 2 show front and side views, respectively, of the present invention. The present invention concerns that of a new and improved vacuum cleaner 2 which would be powered solely battery means and/or self-generated power means. The vacuum cleaner 2 would be a standard push-type vacuum cleaner as seen in Figures 1 and 2. The vacuum cleaner 2 would include a 24 volt battery 4 as its power means, with the battery 4 being rechargeable when not in use.

The vacuum component 8 would have a plurality of wheels 10 to allow it to be pushed around. The top surface of the vacuum component 8 would also have a top-mounted light 12 which would face forward and assist a user in vacuuming. The light 12 would be powered by a generator 14 that would produce power when the wheels 10 of the vacuum cleaner 2 are turned. Electronic connection 16 would connect the light 2 to the generator 14 to allow the rotational energy that is transferred to the generator 14 by the wheels to subsequently be transferred to light 12.

The vacuum component 8 also has top-mounted height adjustment knob 18, which would allow a user to adjust the height of vacuum component 8 with relation to the floor surface. Further, vacuum component 8 has a front-mounted magnetic strip 20 and top-mounted motor vent 28, which would allow hot air from the internal motor 30 to properly vent.

Handle 22 would be pivotally attached to vacuum component 8 and would include dirt bag 24 and bag holder unit 26, which would affix dirt bag 24 to handle 22. Bag holder unit 26 would comprise a plurality of surfaces, including a front surface and a rear

surface. Attached to the rear surface of the bag holder unit 26 would be battery mount 6, with battery 4 being placed on top of battery mount 6.

Figure 3 shows a schematic view of some of the electronics of the present invention not already shown. Battery 4, atop battery mount 6, is attached to motor 30 via a plurality of wires 32. In addition, light 12 is shown being powered by generator 14 that would produce power when the wheels 10 of the vacuum cleaner 2 are turned. Electronic connection 16 would connect the light 12 to the generator 14 to allow the rotational energy that is transferred to the generator 14 by the wheels to subsequently be transferred to light 12.